

In the claims:

Please amend Claims 1, 2, 3, 7, 8, 20, 21, 22, and 23 and add new claim 24 as shown on the attached sheets.

1. (Currently amended) A windmill apparatus comprising:  
windmill means mounted to a windmill shaft to rotate said shaft in response to air flow through said windmill means; the windmill means further comprising multiple sets pairs of three windmill blades.
2. (Currently amended) The windmill apparatus of Claim 1 wherein multiple hubs are provided on said windmill shaft and the multiple sets pairs of blades are attached to multiple hubs on said windmill shaft.
3. (Currently amended) The windmill apparatus of Claim 1 wherein the blades of each set pair of windmill blades are interconnected with braces.
4. (previously presented) The windmill apparatus of Claim 1 wherein the windmill shaft is connected to a machine to provide motive power to said machine.
5. (previously presented) The windmill apparatus of Claim 4 wherein the machine is an air propelled vehicle, comprising:  
an air propulsion means to propel said vehicle;  
said air propulsion means having a source of power to drive the air propulsion means;  
a power transfer means engaging said source of power;  
a first clutch means for engaging said power transfer means in a selected condition;  
and said windmill means provides enhanced propulsion to said vehicle when engaging said first clutch means in said selected condition.
6. (previously presented) The vehicle described in Claim 5 further comprising:  
second clutch means coacting with said source of power to disengage said source of power from driving said propulsion means when said windmill means provides propulsion which exceeds that of the source of power.
7. (Currently amended) The vehicle of Claim 5 wherein the multiple sets pairs of blades are attached to multiple hubs in said windmill means.
8. (Currently amended) The vehicle of Claim 5 wherein the blades in each set pair of windmill blades are interconnected with braces.
9. (previously presented) The vehicle of Claim 5 wherein the air propulsion means comprises

a propeller.

10. (previously presented) The vehicle of Claim 5 wherein the air propulsion means comprises two propellers.
11. (previously presented) The vehicle of Claim 5 wherein the source of power is a motor.
12. (previously presented) The vehicle of Claim 5 where the power transfer means is a shaft.
13. (previously presented) The windmill apparatus of Claim 4 wherein the machine is a compressor apparatus comprising:
  - multiple double-acting piston/cylinder means each having a piston operating within a cylinder to compress air upon movement of the piston within the cylinder;
  - each of said cylinders having a piston shaft connected to said piston therein; said piston shaft extending from said cylinder;
  - drive means connecting said piston shafts to said windmill shaft to drive said piston shafts in response to rotation of said windmill shaft; and
  - conduit means connected to the piston/cylinder means to permit the flow of air into said cylinders to receive compressed air from said cylinders.
14. (previously presented) The windmill compressor apparatus of Claim 13 further comprising positioning the multiple double-acting piston/cylinder means such that the cylinders are radially space from one another.
15. (previously presented) A windmill compressor apparatus as set forth in Claim 13 wherein said cylinders are of different diameters.
16. (previously presented) The windmill compressor apparatus of Claim 15 wherein pressure relief valves are disposed in discharge lines exiting said cylinders of different diameters.
17. (previously presented) The windmill compressor apparatus of Claim 16 wherein the pressure relief valve for the cylinder with the largest diameter is set to be actuated at a pressure which is less than the pressure relief valve for the cylinder with the smaller diameter.
18. (previously presented) The windmill compressor apparatus of Claim 13 wherein the drive means comprises a crank arm attached to the windmill shaft to rotate therewith; said

crank arm having a portion thereof connected to the piston shafts to rotate said piston shafts, thereby withdrawing and inserting the shafts with respect to the cylinders to compress air.

19. (previously presented) The windmill compressor apparatus of Claim 13 wherein the crank arm has a portion thereof opposite to the end which is connected to the piston shafts, which portion acts as a counterbalance to the pistons.
20. (currently amended) The windmill compressor apparatus as in Claim 13 further comprising multiple sets pairs of three windmill blades.
21. (currently amended) The windmill compressor apparatus of Claim 20 wherein the multiple sets pairs of blades are attached to multiple hubs on said windmill shaft.
22. (currently amended) The windmill compressor apparatus of Claim 21 wherein the blades in each set pair of windmill blades are interconnected with braces.
23. (currently amended) A method of enhancing the performance of a windmill by providing said windmill with multiple sets of three blades arranged in pairs.
24. (new) The windmill apparatus of Claim 1 wherein the blades are predominantly flat, of uniform cross-section, have a central portion ending in tips, and have a lip at one tip; the blades in a set further comprise a first blade that has a cord length "X" measured from tip to tip on a line parallel to the plane of the central portion; a second blade somewhat smaller in overall length than the first blade; and a third blade somewhat smaller in overall length than the second blade; the blades are positioned with respect to one another such that the center of the central portion of the first blade is spaced approximately 50% of the blade cord length "X" from the center to the center of the central portion of the second blade; and the second blade is positioned with respect to the third blade such that the center of the central portion of the second blade is spaced approximately 50% of the second blade's cord length from the center to the center of the central portion of the third blade; the second blade is positioned with respect to the first blade with a 15 degree increased angle of attack greater than the angle of attack of the first blade to the direction of wind through the windmill;  
a tip of the second blade is positioned approximately 1/10th of the cord length "X"

back from a tip on the first blade on a line taken perpendicular to the line parallel to the cord  
length "X"; said line passing through said tip on said first blade;  
the cord length of the second blade is approximately 70% of "X" and  
the third blade is dimensioned and positioned with respect to the second blade, with the same  
ratios as given with respect to the first and second blades.